

IN THE CLAIMS:

Please amend the claims as follows.

Claim 1 (Currently Amended): An electron multiplier comprising:

a dynode unit, having a plurality of dynodes positioned in a mutually-insulated, layered state in multiple stages and disposed in a vacuum container;

an anode housed inside the vacuum container;

a plurality of insulating plates, insulating the respective dynodes from each other; and columns, erected from a stem plate, making up the vacuum container, so as to fit or engage with the respective dynodes, anode, and the respective insulating plates,

wherein the respective dynodes and the respective insulating plates are overlapped alternating in the state of being fitted or engaged with the columns and the respective dynodes and the respective insulating plates are supported integrally on the columns by means of arresting members being fixed to the tip portions of the columns,

wherein a rear edge of each respective column is fixed to the stem plate and the arresting members are fixed to a front edge of each respective column, [[and]]

wherein an insulating part is provided so as to surround each respective column in the area near the rear edge so that each dynode, anode, and insulating plate are stacked on the insulating part,

wherein the stem plate includes a metallic plate-shaped material structurally configured into a concave shape, the concave shape being filled-in with an insulating sealing member so that a column is erected through the stem plate and is embedded in the insulating sealing member, and

wherein the insulating part, which is configured so as to surround the column, is disposed so as to be in direct contact with a top surface of the stem plate.

Claim 2 (Previously Presented): An electron multiplier as claimed in claim 1, wherein the insulating part is an insulating ring that is fit or engaged near the rear edge section of a column.

Claim 3 (Previously Presented): An electron multiplier as claimed in claim 1, further comprising an insulating pipe that is fitted onto a column.

Claim 4 (Previously Presented): An electron multiplier as claimed in claim 1, further comprising a male thread portion formed on a pointed end of a column, and a nut is fixed on the male thread portion as an arresting member, respectively.